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By-Isler, Norman P.

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The references included were drawn from the documents received and processed to date by the ERIC Clearinghouse on Educational Facilities, and are organized into the following sections--(1) guidelines and concepts in campus planning, (2) planning the urban college, (3) mathematical and computer aids in campus planning, (4) the architect and college buildings, (5) planning the physical plant, and (6) further bibliographies in campus planning. (FS)

ED0 32744

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PLANNING IN HIGHER EDUCATION

An Interpretive Bibliography in Six Parts

Part II

CAMPUS PLANNING

EF 003 786

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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PLANNING IN HIGHER EDUCATION

An Interpretive Bibliography

Part II

CAMPUS PLANNING

Prepared By

Norman P. Isler

Subject Area Coordinator

The work presented herein was performed pursuant to a contract with the U.S. Office of Education, Department of Health, Education, and Welfare (OEC-1-7-070883-5095)

ERIC Clearinghouse on Educational Facilities

The University of Wisconsin

Madison, Wisconsin

November 1969

FOREWORD

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The references contained herein are drawn from the documents received and processed to date by ERIC/CEF. They are not represented as a comprehensive list of information on the subject. However, many of the documents are not widely circulated and are therefore useful in expanding existing information.

Howard E. Wakefield
Director

November 1969

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CAMPUS PLANNING

	Pages
Guidelines and Concepts in Campus Planning	2-8
The first three references contain guidelines meant to assist individuals responsible for comprehensive campus planning. The latter four deal with current trends in campus planning in various regions of the U.S. and in Great Britain.	
Planning the Urban College	10-12
Two opposing concepts and their resulting problems are included in this section, urban renewal and infill.	
Mathematical and Computer Aids in Campus Planning	14-18
Mathematical techniques for enrollment projection, the use of the systems approach, and the computer in campus planning are the subjects of these five references. While the techniques are discussed with a particular institution in mind, they are applicable to other institutions.	
The Architect and College Buildings	20-24
Human behavior and its effects on architectural planning is the subject of two references. The purpose is to facilitate the design of buildings which are better suited to human needs. Three additional references relate to communications between educators and campus planners on the one hand, and architects and engineers on the other.	
Planning the Physical Plant	26-32
The problems of change in instructional goals, methods and devices, and the equally vital problem of the accommodation of ever-increasing numbers of students are described in these references. The concept of flexibility is the common theme. Also treated is the responsibility of central planning offices on college campuses with regard to new construction, and the need for communications between the physical plant staff and the architect.	
Further Bibliographies in Campus Planning	34-36

GUIDELINES AND CONCEPTS IN CAMPUS PLANNING

ERIC/CEF DOCUMENT NO. EF001548 DISPOSITION-UFRC 2

ESTABLISHING NEW SENIOR COLLEGES

BY- BRUMBAUGH, A. J.
SOUTHERN REGIONAL EDUCATION BOARD, ATLANTA, GEORGIA

PUBLISHED- 66

REPORT/SERIES NO.- SREB RESEARCH MONOGRAPH NO. 12

110 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *FINANCIAL SUPPORT, *MASTER PLANS, *SENIOR COLLEGES, *UNDERGRADUATE STUDY, COLLEGE CURRICULUM, COLLEGE PROGRAMS, COLLEGES, ESTIMATED COSTS, METHODOLOGY

THIS PUBLICATION IS DESIGNED TO ASSIST IN SOUND PLANNING AND DEVELOPMENT OF SENIOR COLLEGES. WHILE NOT A CAMPUS DESIGN MANUAL, IT STRESSES BASIC CONSIDERATIONS AND STEPS WHICH MAY PREVENT COSTLY AND LASTING ERRORS. THE GENERAL AREAS DISCUSSED ARE--(1) NEED FOR A MASTER PLAN--DETERMINATION OF NEED AND STEPS IN ESTABLISHING A NEW COLLEGE, (2) VARIABLES INVOLVED IN FINANCING A NEW COLLEGE--INITIAL AND ULTIMATE STUDENT ENROLLMENT, CURRICULUM, STUDENT-FACULTY RATIO, COUNSELLING SERVICES, STUDENT RESIDENCE ARRANGEMENTS, PHYSICAL EDUCATION AND SPORTS FACILITIES, ESTIMATED OPERATING COSTS OF FINANCIAL SUPPORT, ESTIMATION OF CAPITAL CONSTRUCTION COSTS, AND (3) PITFALLS IN PLANNING A NEW COLLEGE--NOTED ARE LACK OF CLARITY AS TO NEED AND PURPOSE, SLAVISH MODELING OF OTHER COLLEGES, FAILURE TO INVOLVE THOSE RESPONSIBLE FOR THE OPERATION OF THE COLLEGE IN THE PLANNING, FAVORITISM TO SPECIAL INTERESTS, ARCHITECTURAL NOVELTY, AND INADEQUATE FINANCING. CASES ARE CITED TO ILLUSTRATE SOME OF THE POINTS DISCUSSED. AN ANNOTATED BIBLIOGRAPHY IS INCLUDED. (HH)

Availability:

Southern Regional Education Board
130 Sixth Street N.W.
Atlanta, Georgia 30313

ERIC/CEF DOCUMENT NO. EF003360 DISPOSITION- EDC 1

A GUIDE FOR CAMPUS PLANNING

NEW YORK STATE UNIVERSITY CONSTRUCTION FUND, ALBANY

PUBLISHED-FEB67

C89 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *FACILITY GUIDELINES, *PHYSICAL ENVIRONMENT, CONSTRUCTION (PROCESS), ECONOMIC RESEARCH, EDUCATIONAL PROGRAMS, LAND USE, SITE ANALYSIS, ZONING

THE PROCEDURE OUTLINED HAS BEEN ESTABLISHED TO GUIDE ARCHITECTS AND PLANNERS IN THE DEVELOPMENT OF COMPREHENSIVE LONG-RANGE PHYSICAL CAMPUS PLANS FOR THE STATE UNIVERSITY OF NEW YORK. PART I, THE PROGRAM STAGE, IS AN INITIAL RECONNAISSANCE OF PROGRAM, SITE AND ECONOMIC FEASIBILITY PROBLEMS AND RECOMMENDED SOLUTIONS. PART II, THE PLAN DEVELOPMENT STAGE, REQUIRES CONSIDERATION IN DEPTH OF ALL ASPECTS OF THE PROGRAM OF REQUIREMENTS THAT WERE BRIEFLY CONSIDERED IN THE PROGRAM STAGE. THE PLAN DEVELOPMENT STAGE IS DIVIDED INTO THREE PHASES--(1) CONCEPT, CONSISTING OF THE FORMATION OF RECOMMENDED RELATIONSHIPS, (2) SCHEMATIC, CONSISTING OF DEVELOPMENT OF THE PLAN TO A LEVEL NECESSARY TO CONCLUDE THE FEASIBILITY OF THE CONCEPT, AND (3) FINAL, CONSISTING OF A PLAN OF SUCH REFINEMENT THAT MORE DETAILED TECHNICAL DEVELOPMENT WILL NOT FORCE ANY RADICAL REVISION OF FUNCTIONAL CONCEPTS. FOLLOWING EACH SECTION ARE ILLUSTRATIONS OF SOME OF THE TYPES OF GRAPHIC REPRESENTATION DESIRED, AND EXAMPLES OF THE TYPE OF INFORMATION TO BE INCLUDED. THESE ILLUSTRATIONS ARE INTENDED AS A MEANS OF COMMUNICATING DECISIONS AND CONCLUSIONS REACHED IN THE PLANNING PROCESS. (RK)

Availability:

N.Y. State University Construction Fund
195 Washington Street
Albany, New York

ERIC/CEF DOCUMENT NO. EF002265 DISPOSITION-UFRC 2

GUIDELINES FOR PLANNING IN COLLEGES AND UNIVERSITIES VOLUME ONE, PLANNING SYSTEM

BY- PINNELL, CHARLES AND WACHOLDEN, MICHAEL
COORDINATING BOARD - TEXAS COLLEGE AND UNIVERSITY SYSTEM, AUSTIN

PUBLISHED-JAN68

112 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *EDUCATIONAL OBJECTIVES, *FACILITY GUIDELINES, *HIGHER EDUCATION, *MASTER PLANS, ANCILLARY SERVICES, FINANCIAL NEEDS, LAND USE, PHYSICAL FACILITIES, PROGRAM BUDGETING, PROGRAM PLANNING, TRAFFIC CIRCULATION

THE FIRST IN A FIVE-VOLUME SERIES, A SYSTEM FOR EFFECTIVE, CONTINUING PLANNING IN INSTITUTIONS OF HIGHER EDUCATION IS PRESENTED. MANAGEMENT AND PROGRAM PLANNING, PHYSICAL PLANT PLANNING, AND FINANCIAL PLANNING ARE ALL INTEGRATED INTO ONE INDIVIDUAL PROCESS. THE IMPORTANCE OF COMPETENT PLANNING BASED UPON QUANTITATIVE DATA IS STRESSED. A TOP LEVEL POSITION RESPONSIBLE TO THE CHIEF ADMINISTRATOR, SHOULD BE CREATED TO COORDINATE ALL ASPECTS OF THE PLANNING OPERATION.RATHER THAN INDIVIDUAL DEPARTMENTAL ENDEAVORS THE PLANNING PROCESS IS DESCRIBED AS A TOTAL UNIVERSITY PLAN SUBJECT TO ANNUAL UPDATING AND REVIEW. THE ORGANIZATION AND ADMINISTRATION OF A UNIVERSITY PLANNING DEPARTMENT IS OUTLINED. THE VOLUME CONTAINS NUMEROUS FLOWCHARTS AND GRAPHS. (NI)//

Availability:

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Texas College and University System
201 East 14th Street
Austin, Texas 78711

ERIC/CEF DOCUMENT NO. EF000887 DISPOSITION-UFRC 1

THE NEW CAMPUS IN BRITAIN-IDEAS OF CONSEQUENCE FOR THE UNITED STATES

BY- DOBER, RICHARD P.
EDUCATIONAL FACILITIES LABORATORIES, NEW YORK, N. Y.

PUBLISHED- 65

075 PAGES

DESCRIPTORS- *BUILDING DESIGN, *CAMPUS PLANNING, *COLLEGE PLANNING, *EDUCATIONAL ENVIRONMENT, *MASTER PLANS, EDUCATIONAL FACILITIES, INSTITUTIONAL ENVIRONMENT, STUDENT ENROLLMENT

A REVOLUTION IN PLANNING WAS TRIGGERED BY A REPORT OF THE SPECIAL COMMITTEE ON EDUCATION WHICH INVESTIGATED THE AVAILABILITY OF PLACES IN RELATION TO STUDENT ENROLLMENT PROJECTION. SIX NEW UNIVERSITIES WERE CONSTRUCTED AS A RESULT WITH AN EMPHASIS ON DESIGN. THE DESIGN WAS DEVELOPED TO HELP SOLVE THE DILEMMA OF "BELONGING" AT LARGE INSTITUTIONS. THIS WAS DONE BY DEVELOPMENT OF THE CONCEPT OF A CONTINUOUS TEACHING ENVIRONMENT. THIS CONCEPT DESCRIBES A PHYSICAL FORM THAT PRESERVES COMMUNICATION AND CONTACT BETWEEN ALL PARTS OF THE INSTITUTION WHILE ALLOWING EXTERNAL ACCRETION AND INTERNAL CHANGE. ITS ESSENTIAL FEATURES ARE GEARED TO--(1) CONFORMITY WITH EDUCATIONAL PHILOSOPHY OF MAXIMUM INTERDISCIPLINARY CONTACT, (2) INTEGRATION OF LIVING AND WORKING AREAS, (3) SEPARATION OF VEHICULAR AND PEDESTRIAN WAYS, (4) LARGELY SELF-SUFFICIENT URBAN COMMUNITY, (5) OPTIMUM CONTRAST BETWEEN DEVELOPMENT AND SURROUNDING SITE, (6) A 24-HOUR UNIVERSITY, AND (7) OPPORTUNITY OF LIMITLESS EXPANSION. PHOTOGRAPHS AND DIAGRAMS ILLUSTRATE THIS CONCEPT IN THE CASE OF EACH OF THE SIX INSTITUTIONS. THIS DOCUMENT IS AVAILABLE FROM EDUCATIONAL FACILITIES LABORATORIES, INC., 477 MADISON AVENUE, NEW YORK, NEW YORK 10022. (HH)

Availability:

Educational Facilities Laboratories, Inc.
477 Madison Avenue
New York, New York 10022

ERIC/CEF DOCUMENT NO. EFC01748 ED 19835 DISPOSITION-EDC- 1

WHAT IS HAPPENING TO THE CAMPUS (A BRIEF REVIEW OF MANY INDIVIDUAL'S OBSERVATIONS ON HOW PHYSICAL FACILITIES FOR HIGHER EDUCATION ARE CHANGING IN RESPONSE TO NEW NEEDS)

BY- BRUBAKER, CHARLES WILLIAM
PERKINS AND WILL, ARCHITECTS, CHICAGO, ILL.

PUBLISHED-APR68

13 PAGES

DESCRIPTORS- *BUILDING INNOVATION, *CAMPUS PLANNING, *DESIGN NEEDS, *EDUCATIONAL CHANGE, AUDIOVISUAL AIDS, COMMUNITY COLLEGES, COMMUNITY DEVELOPMENT, COMPUTERS, LEARNING PROCESSES, SCHEDULING, STRUCTURAL BUILDING SYSTEMS, URBAN AREAS, URBAN UNIVERSITIES

TRENDS IN CAMPUS PLANNING ARE DEVELOPED IN TERMS OF CHANGING EDUCATIONAL METHODS AND SOCIAL DEMANDS. MAJOR TOPICS COVERED ARE--(1) RE-EVALUATING THE NATURE OF LEARNING, (2) THE EFFECT OF TECHNOLOGY, (3) THE CAMPUS AS A COMMUNITY CULTURAL-EDUCATIONAL CENTER, (4) THE COLLEGE AND THE URBAN CRISIS, (5) THE MULTI-LOCATION COLLEGE, AND (6) EDUCATIONAL BUILDING SYSTEMS. WITHIN THESE CONTEXTS, DESIGN RECOMMENDATIONS AND SUGGESTIONS ARE OUTLINED, AND GRAPHIC EXAMPLES ARE PROVIDED. (MM)////

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ERIC/CEF DOCUMENT NO. EF001371 DISPOSITION-UFRC 1

CONTRASTING CONCEPTS IN CAMPUS PLANNING

MAYER, FREDERICK W.

PUBLISHED-AUG66
IN- SELECTED PAPERS FROM THE FIRST ANNUAL CONFERENCE SOCIETY FOR COLLEGE AND UNIVERSITY PLANNING PORTLAND STATE COLLEGE, PORTLAND, OREGON AUGUST 13-14, 1966

80 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *GEOGRAPHIC LOCATION, *MASTER PLANS, *SITE DEVELOPMENT, *URBAN UNIVERSITIES, EDUCATIONAL PLANNING, HIGHER EDUCATION

THE PAPERS SUMMARIZED IN THIS DOCUMENT WERE GIVEN AT A S.C.U.P. CONFERENCE AND WERE BASED UPON EXPERIENCES AT COLLEGES IN SANTA CRUZ, CALIFORNIA, CHICAGO, ILLINOIS, AND PORTLAND, OREGON. CENTRAL TO ALL THE CONCEPTS OF PLANNING WAS THE LOCATION OF THE INSTITUTION, WITH THE ENSUING GEOPOLITICAL RESTRICTIONS. OTHER PLANNING CONSIDERATIONS VARIED IN EACH PAPER, AND INCLUDE THE EDUCATIONAL PROGRAM, POLITICAL CONSIDERATIONS, LEGAL RESTRICTIONS AND URBAN DEMANDS. THE MERITS OF A STATIC EDUCATIONAL PROGRAM AS OPPOSED TO A HIERARCHICAL ALLOCATION OF ACTIVITIES AND SUITABILITY, AND AS OPPOSED TO FLEXIBILITY, WERE ARGUED. THE DESIRABILITY OF LOCATING CAMPUSES IN URBAN AREAS WAS ALSO DISCUSSED. REPRESENTATIVE SITE PLANS WERE INCLUDED IN THE TEXT. COPIES ARE AVAILABLE AT A PRICE OF $2.00 EACH POSTPAID, FROM JOHN D. TELFER, EXECUTIVE DIRECTOR, SOCIETY FOR COLLEGE AND UNIVERSITY PLANNING, 326 E. HOOVER STREET, ANN ARBOR, MICHIGAN, 48104. (JP)

Availability:

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Society for College & University Planning
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LONG-RANGE PLANNING IN HIGHER EDUCATION. PROCEEDINGS OF THE ANNUAL INSTITUTE ON COLLEGE SELF STUDY FOR COLLEGE AND UNIVERSITY ADMINISTRATORS (6TH, UNIV. OF CALIFORNIA, BERKELEY, JULY 6-10, 1964)

BY- KNORR, OWEN A., ED
WESTERN INTERSTATE COMMISSION FOR HIGHER EDUCATION, BOULDER, COLO.

PUBLISHED-APR65

136 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *COLLEGE PLANNING, *EDUCATIONAL CHANGE, *EDUCATIONAL PLANNING, *HIGHER EDUCATION, BIBLIOGRAPHIES, EDUCATIONAL ENVIRONMENT, EDUCATIONAL FINANCE, MASTER PLANS, SYSTEMS ANALYSIS

THE FOLLOWING ADDRESSES CONCERNING LONG-RANGE PLANNING IN INSTITUTIONS OF HIGHER EDUCATION ARE PRESENTED--(1)DESIGN AND CHANGE IN AMERICAN HIGHER EDUCATION,(2)PLANNING IN THE COLLEGE OR UNIVERSITY,(3)A CASE STUDY IN INSTITUTIONAL PLANNING,(4)THE INSTITUTION AND THE SYSTEM-AUTONOMY AND COORDINATION,(5)HOUSING THE EDUCATIONAL PROGRAM-THE PHYSICAL PLANT AS EDUCATIONAL ENVIRONMENT,(6)LONG-RANGE FINANCIAL PLANNING, (7)SYSTEM ANALYSIS IN PLANNING, AND (8)RESOURCES FOR PLANNING-A RESUME. SELECTIONS FROM THE DISCUSSIONS FOLLOWING EACH FORMAL ADDRESS ARE PRESENTED AS ARE SELECTED REFERENCES PERTAINING TO EACH PRESENTATION. (FS)//

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PLANNING THE URBAN COLLEGE

ERIC/CEF DOCUMENT NO. EF003032 DISPOSITION-UFRC 1

A COLLEGE IN THE CITY-AN ALTERNATIVE. A REPORT FROM EDUCATIONAL FACILITIES LABORATORIES

BY- CLINCHY, EVANS
EDUCATIONAL FACILITIES LABS., INC., NEW YORK, N.Y.

PUBLISHED- 68

052 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *DESIGN NEEDS, *FACILITY EXPANSION, *FACILITY REQUIREMENTS, *URBAN UNIVERSITIES, ANNOTATED BIBLIOGRAPHIES, BUILDING DESIGN, COLLEGE BUILDINGS, CONSTRUCTION PROGRAMS, URBAN EDUCATION

CREATION OF A COLLEGE IN AN URBAN SETTING IS CONSIDERED WITH EMPHASIS ON ITS DEVELOPMENT AS AN INTEGRAL PART OF THE SURROUNDING AREA RATHER THAN AS A SEPARATE ENTITY. ALTHOUGH THE REPORT IS BASED ON A PARTICULAR PIECE OF GHETTO LAND IN A PARTICULAR CITY (BEDFORD-STUYVESANT SECTION OF NEW YORK CITY), ITS IMPLICATIONS ARE NATIONAL IN SCOPE. PHYSICAL FEATURES OF THE AREA, SUCH AS EXISTING BUILDINGS AND TRANSPORTATION FACILITIES, ARE IDENTIFIED AND CONSIDERED WITH REGARD TO THE PLANNING OF A COLLEGE. SUGGESTIONS ARE PRESENTED FOR IMPLEMENTATION OF A PLAN FOR CONSTRUCTION OF A COLLEGE BASED ON THE CONCEPT OF FILLING IN VACANT SPACES IN THE AREA RATHER THAN ANNIHILATING TOTAL BLOCKS. MAPS AND DIAGRAMATIC SKETCHES ARE INCLUDED WHICH ILLUSTRATE POSSIBLE PLACEMENT AND DESIGN OF A COLLEGE CAMPUS IN THE AREA STUDIED. AN ANNOTATED LIST OF OTHER REPORTS FROM EDUCATIONAL FACILITIES LABORATORIES IS INCLUDED. (FS)//

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New York, New York 10022

ERIC/CEF DOCUMENT NO. EF002182 DISPOSITION-UFRC 2

URBAN RENEWAL AND UNIVERSITIES

PUBLISHED-MAY63

014 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *FACILITY EXPANSION, *URBAN RENEWAL, *URBAN SLUMS, *URBAN UNIVERSITIES, ENROLLMENT TRENDS, FEDERAL PROGRAMS, HIGHER EDUCATION, NEIGHBORHOOD IMPROVEMENT, SITE ANALYSIS, SPEECHES

UNIVERSITY AND MUNICIPAL RELATIONSHIPS HAVE BECOME CRUCIAL. THE NEED FOR EXPANSION AND A COMPATIBLE COMMUNITY IS APPLICABLE TO CAMPUSES THROUGHOUT THE COUNTRY. SUCCESSES, HOWEVER, HAVE BEEN POSSIBLE ONLY WHEN THE TOTAL WEIGHT OF THE INSTITUTION HAS BEEN PUT TO THE TASK. THE URBAN RENEWAL PROCESS OFFERS TO UNIVERSITIES THE BENEFITS OF ASSISTANCE IN PUBLIC ACQUISITION WHICH COMES ONLY AS A RESULT OF OFFICIAL MUNICIPAL ACTION USUALLY ACCOMPANIED BY PROLONGED CONTROVERSY. UNIVERSITIES MUST TAKE THESE PLANNING RESPONSIBILITIES SERIOUSLY AND NOT DEAL WITH THEIR FUTURE ON AN AD HOC BASIS. (NI)

Availability:

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Earlham College
Richmond, Indiana 47374

ERIC/CEF DOCUMENT NO. EF001715 DISPOSITION-UFRC 2

PLANNING AND ACQUISITIONS PROBLEMS FOR A GROWING UNIVERSITY

BY- LEARN, ELMER W.
MIDWEST BUSINESS ADMINISTRATION ASSOCIATION, MINNEAPOLIS, MINNESOTA

PUBLISHED-APR68

010 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *COMMUNITY PLANNING, *COMMUNITY RELATIONS , *HIGHER EDUCATION, *URBAN UNIVERSITIES, COMMUNITY COOPERATION, COMMUNITY ZONING, ECONOMIC FACTORS, ZONING

SOME TENTATIVE CONCLUSIONS BASED ON AN URBAN UNIVERSITY COMMUNITY PLANNING PROGRAM AND DEALING WITH THE CHARACTERISTICS OF UNIVERSITY COMMUNITIES. SPECIAL PROBLEMS ENGENDERED BY THESE CHARACTERISTICS AND METHODS TO COMBAT THESE PROBLEMS ARE PRESENTED. THE PROBLEMS DISCUSSED CENTERED AROUND PLANNING, LAND ACQUISITION, ZONING AND COMMUNITY RELATIONS. (HH)

Availability:

Elmer W. Learn
University of Minnesota
Minneapolis, Minnesota

MATHEMATICAL AND COMPUTER AIDS IN CAMPUS PLANNING

ERIC/CEF DOCUMENT NO. EF002848 ED 28618 DISPOSITION-UFRC 1

TECHNIQUES OF SYSTEMS ANALYSIS FOR UNIVERSITY PLANNING

BY- JUDY, RICHARD W AND LEVINE, JACK B

PUBLISHED- 68

AVAILABLE FROM- RICHARD W JUDY, PROFESSOR, DEPT OF ECONOMICS AND COMMERCIAL SCIENCE, UNIVERSITY OF TORONTO, TORONTO 5, ONTARIO

037 PAGES

DESCRIPTORS- *HIGHER EDUCATION, *PROGRAM BUDGETING, *SIMULATION, *SYSTEMS ANALYSIS, *UNIVERSITY ADMINISTRATION, CAMPUS PLANNING, ENROLLMENT, INSTITUTIONAL RESEARCH, OPERATIONS RESEARCH, RESOURCE ALLOCATIONS, SCHEDULING

A CHAPTER FOR A LARGER VOLUME WHICH DISCUSSES THE RISE OF THE MULTIUNIVERSITY AND THE POSSIBILITIES FOR PLANNING IN SYSTEMS ANALYSIS. THE SYSTEM DESCRIBED IS THE C.A.M.P.U.S. SYSTEM, AN ACRONYM FOR COMPREHENSIVE ANALYTICAL METHODS FOR PLANNING IN UNIVERSITY SYSTEMS. THREE SUBSYSTEMS ARE DISCUSSED--(1)PROGRAM PLANNING AND BUDGETING,(2)SIMULATION MODELS, AND (3)INTEGRATED INFORMATION SYSTEM. A VARIETY OF APPLICATIONS ARE SUGGESTED UNDER THE LATTER TWO CATEGORIES. (FPO)//

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ERIC/CEF DOCUMENT NO. EF001583 ED 18967 DISPOSITION-EDC- 1

COMPUTER MODELING IN CAMPUS DESIGN (CASE STUDY AT DUKE UNIVERSITY. FINAL PAPER)

BY- MATTOX, ROBERT F.
AMERICAN INSTITUTE OF ARCHITECTS, WASHINGTON, D.C.

PUBLISHED-DEC67
IN- AIA ARCHITECT-RESEARCHERS CONFERENCE GATLINBURG, TENNESSEE 24-26 OCTOBER 1967

012 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *COMPUTER PROGRAMS, *COMPUTERS, *CYBERNETICS, COLLEGE PLANNING, DATA PROCESSING, DESIGN, ELECTRONIC DATA PROCESSING, INFORMATION PROCESSING, MASTER PLANS, PLANNING, PROGRAMING, SPATIAL RELATIONSHIP, SPACE UTILIZATION

IN A PILOT STUDY CONDUCTED TO PROVIDE BETTER INFORMATION FOR CAMPUS PLANNING, COMPUTER PROGRAMS WERE DEVELOPED TO ANALYZE DATA COLLECTED FROM STUDENT DIARIES. AREAS OF CONCERN INCLUDED--(1) TIME SPENT IN A SPECIFIC ACTIVITY, (2) TRAFFIC ACTIVITIES AND RELATED VARIABLES (COSTS, ETC.), AND (5) PROJECTION OF FUTURE CAMPUS ACTIVITY-SPACE RELATIONSHIPS AND THE RESULTING IMPLICATIONS OF VARIOUS ACTIONS PROPOSED BY THE PLANNERS. THE GOAL WAS TO MAXIMIZE THE BENEFITS FOR THE LEAST COST. THIS PAPER IS THE FINAL COPY OF A PAPER PRESENTED AT THE AIA ARCHITECT-RESEARCHERS' CONFERENCE, GATLINBURG, TENNESSEE, OCTOBER 24-25, 1967. (JT)

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ERIC/CEF DOCUMENT NO. EF001571 DISPOSITION-EDC- 1

PLANNING THE CAMPUS BY COMPUTER (COMPUTER ACCOUNTS FOR CLASS AND NON-ACADEMIC SCHEDULES)

BY- MATTOX, ROBERT F.

PUBLISHED-MAR68
IN- ARCHITECTURAL AND ENGINEERING NEWS, MARCH 1968, VOL. 10, NO. 3, PP. 32-37

DESCRIPTORS- *COLLEGE PLANNING, *COMPUTER PROGRAMS, *FACILITY GUIDELINES, *SCHEDULING, *STUDENT NEEDS, CLASS SIZE, COCURRICULAR ACTIVITIES, DECISION MAKING, DISPLAY SYSTEMS, ENROLLMENT PROJECTIONS, INFORMATION PROCESSING, SIMULATION

PROBLEMS OF CAMPUS PLANNING ARE DISCUSSED IN TERMS OF COMPUTER ANALYSIS OF SCHEDULED AND NONSCHEDULED ACTIVITIES. ESTIMATION OF SPACE NEEDS FOR SCHEDULED CAMPUS ACTIVITIES INCLUDES--(1) TOTAL ENROLLMENT, (2) DISTRIBUTION OF MAJORS, (3) DISTRIBUTION OF CLASS TIME TO DEPARTMENTS, (4) DEPARTMENT LOADS, (5) DISTRIBUTION TO LECTURE LAB, (6) DISTRIBUTION TO CLASS SIZE, AND (7) SUMMARY BY DEPARTMENT, CLASS SIZE OR ACTIVITY. THE DISCUSSION OF NONSCHEDULED ACTIVITIES INCLUDES RESEARCH USING STUDENT DIARIES OF ACTIVITIES, TIMES, AND LOCATIONS, WITH COMPUTER ANALYSIS AND PLOTTING OF DATA. COMPUTER PROGRAMS HAVE ALSO BEEN DEVELOPED TO SIMULATE THE CHANGING UNIVERSITY IN TERMS OF ITS SPACE AND ACTIVITIES. THE USE OF THE COMPUTER IN THE PLANNING PROCESS INCLUDES PROCESSING AND DISPLAYING INFORMATION, EXPRESSING RELATIONSHIPS OF COMPONENTS, MODELING CHANGES AND THE EFFECTS OF PLANNING DECISIONS. THIS ARTICLE APPEARED IN THE MARCH 1968 ISSUE OF ARCHITECTURAL AND ENGINEERING NEWS. COPIES MAY BE OBTAINED BY WRITING THE EDITOR, 51 UPPER MONTCLAIR PLAZA, UPPER MONTCLAIR, NEW JERSEY 07043. (MM)

Availability:

Editor
51 Upper Montclair Plaza
Upper Montclair, New Jersey 07043

ERIC/CEF DOCUMENT NO. EF001564 DISPOSITION-UFRC 2

ESTIMATES AND PROJECTIONS OF ENROLLMENT FOR THE UNIVERSITY OF WISCONSIN AND WISCONSIN STATE UNIVERSITIES

BY- LINS, L. J.
WISCONSIN COORDINATING COUNCIL FOR HIGHER EDUCATION, MADISON

PUBLISHED-MAR68

REPORT/SERIES NO.- CCHE NO. 4, 1968, MARCH 1968

040 PAGES

DESCRIPTORS- *COLLEGE PLANNING, *ENROLLMENT INFLUENCES, *ENROLLMENT PROJECTIONS, *HIGHER EDUCATION, *STUDENT ENROLLMENT, DATA ANALYSIS, ENROLLMENT TRENDS

ASSUMPTIONS, PURPOSES, AND FACTORS OF SHORT RANGE ESTIMATES AND LONG RANGE PROJECTIONS ARE DISCUSSED. THE COMBINED RATIO METHOD AND THE COHORT-SURVIVAL TECHNIQUES WERE PROCEDURES USED FOR MAKING ESTIMATES AND PROJECTIONS OF STUDENT ENROLLMENT. THE PROJECTION FOR THE STATE SYSTEM IS DISCUSSED IN TERMS OF SUB-PROJECTIONS FOR UNDERGRADUATES, GRADUATES, INDIVIDUAL CAMPUSES, YEAR, UNIVERSITY OF WISCONSIN AT MADISON, LAW AND MEDICAL SCHOOLS. IT IS EMPHASIZED THAT PROJECTIONS ARE NOT MERELY HEAD COUNTS OF STUDENTS BUT THAT PROJECTIONS ARE BASED ON THE BEST INFORMATION OF DATA ABOUT BIRTH AND SURVIVAL TO FRESHMAN IN COLLEGE, ENROLLMENT BY CAMPUS, COHORT SURVIVAL EXPERIENCE, AND DECISIONS RELATIVE TO THE CHANGING OF THE MIX OF STUDENTS OR TO ESTABLISHING NEW CAMPUSES. (HH)

Availability:

Wisconsin Coordinating Council for
Higher Education
732 North Midvale Blvd.
Madison, Wisconsin 53705

ERIC/CEF DOCUMENT NO. EFC01409 DISPOSITION-UFRC 1

EDUCATIONAL FORECASTING AT THE UNIVERSITY OF AKRON

BY- GUZZETTA, D. J.

PUBLISHED-DEC62
IN- THE JOURNAL OF EXPERIMENTAL EDUCATION, VOL. 31, NO. 2, DECEMBER, 1962

DESCRIPTORS- *COST EFFECTIVENESS, *COLLEGE FACULTY, *ENROLLMENT PROJECTIONS, *FACILITY REQUIREMENTS, *FACILITY UTILIZATION RESEARCH, COLLEGE BUILDINGS, DATA ANALYSIS, DATA COLLECTION, HIGHER EDUCATION, PROGRAM COSTS

METHODS OF FORECASTING ENROLLMENT, FACULTY NEEDS, AND PHYSICAL FACILITIES ARE DESCRIBED. THE SIZES OF FUTURE ENTERING-FRESHMAN CLASSED WERE PREDICTED FROM 1958 THROUGH 1970. FOUR DIFFERENT PROJECTIONS WERE MADE, EACH SUCCESSIVE ONE BASED UPON A SET OF CRITERIA THAT WOULD INCREASE THE ESTIMATE FROM PROJECTION ONE THROUGH PROJECTION FOUR. THE TOTAL ENROLLMENT WAS FORECAST BY USING A FORMULA OF 85 PER CENT OF EACH OF THE THREE PREVIOUS FRESHMAN CLASSES PLUS THE PROJECTED FRESHMAN CLASS. FACULTY NEEDS WERE PROJECTED ON THE BASIS OF THE AVERAGE NUMBER OF STUDENT CREDIT HOURS THE FACULTY TAUGHT. IT WAS DISCOVERED THAT EACH FACULTY MEMBER TAUGHT TO AN AVERAGE OF 315 STUDENT CREDIT HOURS. THE TOTAL NUMBER OF STUDENTS IS DIVIDED BY 315 TO OBTAIN THE DEMAND FOR FULL-TIME FACULTY EQUIVALENTS. THE NEED FOR PHYSICAL FACILITIES WAS OBTAINED BY USING STANDARDS OF SPACE UTILIZATION WHICH SUMMARIZED THE USE OF ROOMS, STUDENT STATIONS, LABORATORIES, ETC. COMPILATION OF ALL AVAILABLE DATA ASSISTED THE UNIVERSITY IN PINPOINTING ITS FACILITIES NEEDS ON A PRIORITY BASIS BY TYPES OF BUILDINGS NEEDED. (NI)

Availability:

Dembar Educational Research Services, Inc
P.O. Box 1148
Madison, Wisconsin 53701

THE ARCHITECT AND COLLEGE BUILDINGS

ERIC/CEF DOCUMENT NO. EF002877 DISPOSITION-EDC 1

BEHAVIORAL RESEARCH FOR ARCHITECTURAL PLANNING AND DESIGN

BY- WHEELER,LAWRENCE

PUBLISHED- 67

AVAILABLE FROM- DEPT. OF BEHAVIORAL RESEARCH, EWING MILLER ASSOCIATES, 604 TRIBUNE BUILDING, TERRE HAUTE, INDIANA 47801

027 PAGES

DESCRIPTORS- *ARCHITECTURE, *BEHAVIOR PATTERNS, *COLLEGE HOUSING, *ENVIRONMENTAL RESEARCH, *STUDENT NEEDS, CAMPUS PLANNING, DESIGN PREFERENCES, ENVIRONMENTAL CRITERIA, ENVIRONMENTAL INFLUENCES, FACILITY UTILIZATION RESEARCH, LIGHTING, PHYSICAL DESIGN NEEDS, STUDY HABITS, SURVEYS

OVER THE PAST EIGHT YEARS SEVERAL COMBINED BEHAVIORAL AND ARCHITECTURAL INVESTIGATIONS HAVE BEEN UNDERTAKEN BY EWING MILLER ASSOCIATES. ON THE BASIS OF DATA FROM ALMOST 1,500 UNIVERSITY STUDENTS, AN EXTENDED EXAMPLE OF SOME OF THE RESULTS OF THESE COOPERATIVE STUDIES IS PRESENTED. THE WORK CARRIED ON RELATIVE TO THE COLLEGE CAMPUS HAS DEALT MAINLY WITH THE PLANNING AND DESIGN OF RESIDENCE HALLS FOR USE BY STUDENTS, BUT COMPLETE CAMPUS PLANNING IS NOW BEING CARRIED OUT. MOST OF THE MATERIAL PRESENTED, HOWEVER, RELATES ONLY TO LIVING FACILITIES. MATTERS OF METHOD, PERFORMANCE AND PERCEPTION, AND MOTIVATION ARE TAKEN UP AS THEY OCCUR IN THE DESCRIPTION OF THE RESULTS. THESE EXAMPLES ATTEMPT TO MAKE SOME OF THE ABSTRACT FORMULATIONS OF THE INTRODUCTORY PAGES MUCH MORE REAL AND PRACTICAL. AT THE END OF THE REPORT, A TECHNICAL APPENDIX IS PROVIDED FOR THE READER WHO WISHES TO CONSIDER, IN DETAIL, THE GENERAL CONCEPTS THAT WERE THE BASIS OF THE BEHAVIORAL SURVEYS. SELECTED RESULTS OF THE SURVEY INVESTIGATIONS INCLUDE--(1) USE OF FACILITIES, (2) STORAGE SPACE REQUIREMENTS, (3) WINDOWS AND LIGHTING, (4) MECHANICAL SYSTEMS, (5) COLOR PREFERENCES, AND (6) GENERAL CONCLUSIONS. (RK)

Availability:

Dept. of Behavioral Research
Ewing Miller Associates
604 Tribune Building
Terre Haute, Indiana 47801

ERIC/CEF DOCUMENT NO. EF003281 DISPOSITION- EDC 1

ACTIONS, OBJECTIVES AND CONCERNS (HUMAN PARAMETERS FOR ARCHITECTURAL DESIGN)

BY- LASSWELL, THOMAS E. AND HEPPE, JACK
DEASY AND BOLLING

PUBLISHED-JAN69

100 PAGES

DESCRIPTORS- *BUILDING DESIGN, *DESIGN NEEDS, *ENVIRONMENTAL RESEARCH, *PSYCHOLOGICAL DESIGN NEEDS, *SCHOOL ARCHITECTURE, BEHAVIOR PATTERNS, BEHAVIORAL SCIENCE RESEARCH, CAMPUS PLANNING, COLLEGE BUILDINGS, INDIVIDUAL NEEDS, PSYCHOLOGICAL STUDIES, SOCIAL ENVIRONMENT

AN EXPERIMENT CONDUCTED AT CALIFORNIA STATE COLLEGE, LOS ANGELES, TO TEST THE VALUE OF SOCIAL-PSYCHOLOGICAL RESEARCH IN DEFINING BUILDING NEEDS IS DESCRIBED. THE PROBLEMS OF HOW TO IDENTIFY AND SYNTHESIZE THE DISPARATE OBJECTIVES, CONCERNS AND ACTIONS OF THE GROUPS WHO USE OR OTHERWISE HAVE AN INTEREST IN LARGE AND COMPLEX BUILDINGS IS DISCUSSED. AN EFFORT IS MADE TO FORMALLY RELATE THE TECHNIQUES AND KNOWLEDGE OF THE BEHAVIORAL SCIENCES TO THE ARCHITECTURAL DESIGN PROCESS, THE PURPOSE BEING TO PRODUCE BUILDINGS THAT ARE BETTER RELATED TO HUMAN NEEDS. THE PROCEDURES DESCRIBED CAN PROVIDE A TOOL FOR DEFINING THE OBJECTIVES OF PLANNING AND DESIGN. SECTIONS INCLUDE THE FOLLOWING--(1) STATEMENT OF PURPOSE, (2) THE CAMPUS, (3) OBSERVATIONAL DATA, (4) INTERVIEW DATA, (5) PROGRAM RECOMMENDATIONS, AND (6) SUMMARY AND CONCLUSION. APPENDIX A DEALS WITH THE SOCIAL PSYCHOLOGICAL MODELS FOR PROGRAMMING A STUDENT UNION. (RK)//

Availability:

Deasy and Bolling
8810 Milrose Avenue
Los Angeles, California

ERIC/CEF DOCUMENT NO. EF000447 DISPOSITION-UFRC 1

COMMUNICATIONS IN CAMPUS PLANNING

BY- WILLIAMS, PHILLIP C.
BUTTENHEIM PUBLISHING CORPORATION, NEW YORK, N. Y.

PUBLISHED-MAY66
IN- AMERICAN SCHOOL AND UNIVERSITY, MAY 66, VOL. 38, NO. 9, PP. 15-18, 184

005 PAGES

DESCRIPTORS- *COMMUNICATION (THOUGHT TRANSFER), *CONCEPTUAL SCHEMES, *COOPERATIVE PLANNING, *HIGHER EDUCATION, *CAMPUS PLANNING , DESIGN, MASTER PLANS, MATHEMATICAL MODELS, PLANNING MEETINGS, PROGRAM COSTS, PROGRAM DESIGN, PROGRAM PLANNING

THIS DISCUSSION OF CAMPUS PLANNING IS BOTH A PLEA AND A PLAN FOR THE IMPROVEMENT OF COMMUNICATION BETWEEN EDUCATORS AND ARCHITECTS INVOLVED IN THE DEVELOPMENT AND IMPLEMENTATION OF CAMPUS PLANNING. CAMPUS PLANNING IS DEFINED AS A SYNTHESIS OF EDUCATIONAL, PHYSICAL AND FISCAL PLANNING. THE FACTORS INVOLVED IN A SUCCESSFUL APPROACH ARE PROGRAM, DESIGN, COST AND TIME FROM THE VIEWPOINT OF EDUCATOR AND ARCHITECT. COMMUNICATION IS IMPROVED BY THE AID OF WORDS, GRAPHICS AND COMPUTER. CHARACTERISTICS OF PARTICULAR INSTITUTIONS ARE CITED AS ILLUSTRATIONS OF THE CONCEPTS DISCUSSED. THIS ARTICLE APPEARS IN AMERICAN SCHOOL AND UNIVERSITY, VOL. 38, NO. 9, MAY 1966. COPIES MAY BE OBTAINED FROM ARNOLD M. BLOOM, EDITOR, AMERICAN SCHOOL AND UNIVERSITY, BUTTENHEIM PUBLISHING CORPORATION, NEW YORK, N.Y. (HH)

Availability:

Arnold M. Bloom, Editor
Buttenheim Publishing Corporation
757 Third Avenue
New York, New York 10017

ERIC/CEF DOCUMENT NO. EF002888 DISPOSITION-UFRC 2

INSTRUCTIONS TO ARCHITECTS AND ENGINEERS. REV. JULY 1968

BRIGHAM YOUNG UNIVERSITY, PROVO, UTAH DEPT OF PHYSICAL PLANT

PUBLISHED-JAN59

AVAILABLE FROM- DEPT OF PHYSICAL PLANT, BRIGHAM YOUNG UNIVERSITY, PROVO, UTAH 84601

184 PAGES

DESCRIPTORS- *ARCHITECTURAL PROGRAMING, *BUILDING DESIGN, *CAMPUS PLANNING, *CONSTRUCTION PROGRAMS, *FACILITY GUIDELINES, COLLEGE BUILDINGS, DESIGN NEEDS, EDUCATIONAL SPECIFICATIONS, FACILITY EXPANSION, FACILITY REQUIREMENTS

A BOOK OF INSTRUCTIONS TO BE FOLLOWED BY ARCHITECTS AND ENGINEERS IN THE PLANNING OF ALL BUILDINGS ON THE BRIGHAM YOUNG UNIVERSITY CAMPUS. STEP-BY-STEP PROCEDURES ARE GIVEN FOR THE DEVELOPMENT OF CONSTRUCTION PLANS - INCLUDED ARE INSTRUCTIONS CONCERNING THE INITIAL SITE SURVEY AND REPORT, SCHEMATIC DRAWINGS, PRELIMINARY DRAWINGS, WORKING DRAWINGS, THE CONSTRUCTION PERIOD, AND THE USE OF THE RECOMMENDED SPECIFICATION FORM. CONSTRUCTION STANDARDS ARE SPECIFIED FOR NUMEROUS BUILDING CONSTITUENTS SUCH AS SPRINKLER SYSTEMS, TELEPHONES, STAIRWAYS, CUSTODIAL ROOMS, ENTRANCE WAYS, ELEVATORS, ETC. (FS)

Availability:

Dept. of Physical Plant
Brigham Young University
Provo, Utah

ERIC/CEF DOCUMENT NO. EF002241 DISPOSITION-UFRC 2

AN ARCHITECT LOOKS AT PLANNING

PUBLISHED-DEC66

OCS PAGES

DESCRIPTORS- *ARCHITECTURAL CHARACTER, *ARCHITECTURAL PROGRAMMING, *BUILDING DESIGN, *CAMPUS PLANNING, *COLLEGE BUILDINGS, ARCHITECTURAL ELEMENTS, ARCHITECTURE, CONSTRUCTION PROGRAMS, FACILITY EXPANSION, PLANNING

INFORMATION IS PRESENTED ABOUT EDUCATIONAL REQUIREMENTS WHICH MAY BE EXPRESSED IN TERMS MOST USEFUL FOR ARCHITECTURAL PLANNING. CONSIDERATION IS GIVEN TO VARIOUS FACTORS UPON WHICH ARCHITECTURAL DESIGN DEPENDS. VARIOUS DESIGN APPROACHES IN PLANNING COLLEGE FACILITIES ARE ALSO DISCUSSED. (FS)

Availability:

California School Facilities Council
Chancellor's Planning Office
2107L Administration Building
University of California
Los Angeles, California 90024

$2.00

PLANNING THE PHYSICAL PLANT

ERIC/CEF DOCUMENT NO. EF002174 DISPOSITION-UFRC 2

SOME EFFECTS OF INSTRUCTIONAL CHANGES ON BUILDINGS AND FACILITIES

BY- GNAEDINGER, W. G.
NATIONAL ASSN. OF PHYSICAL PLANT ADMINISTRATORS OF UNIVERSITIES AND COLLEGES

PUBLISHED-MAY66

012 PAGES

DESCRIPTORS- *AUDIOVISUAL AIDS, *AUDIOVISUAL CENTERS, *AUDIOVISUAL INSTRUCTION, *CLASSROOM MATERIALS, *PHYSICAL FACILITIES, COLLEGE PLANNING, CURRICULUM PROBLEMS, HIGHER EDUCATION, SCHEDULING, SPEECHES

THE AUTHOR FINDS THAT THE ADVENT OF ELECTRONIC DEVICES WILL CAUSE A CHANGE IN INSTRUCTION TECHNIQUES WHICH WILL AFFECT THE CLASSROOM DESIGN. THE IMPLICATIONS OF SUCH SIMPLE MECHANICS AS AN AMPLIFIER SYSTEM FOR LARGE GROUP INSTRUCTION, FOR INDIVIDUAL INSTRUCTION, AND THE COMPLEX, MULTI-MEDIA ELECTRONIC PRESENTATION-RESPONSE SYSTEM WERE PRESENTED. FACILITIES AND PROGRAMS OF DIFFERENT UNIVERSITIES AROUND THE COUNTRY WERE MENTIONED. IT WAS SUGGESTED THAT CONSIDERATION BE GIVEN TO THE STRUCTURE AND STAFFING OF FACILITIES, KEEPING IN MIND THE SPECIAL REQUIREMENTS FOR INSTALLATION AND OPERATION OF AN EVER GROWING NUMBER OF AUDIOVISUAL AIDS TO INSTRUCTION. (JP)

Availability:

John H. Sweitzer, Secy-Treasurer
Natl. Assoc. of Physical Plant Administrators of Universities & Colleges
Earlham College
Richmond, Indiana 47374

ERIC/CEF DOCUMENT NO. EF003274 DISPOSITION-UFRC 2

ACADEMIC GOALS AND UNIVERSITY BUILDINGS

PUBLISHED-JUN64

0C8 PAGES

DESCRIPTORS- *BUILDINGS DESIGN, *CAMPUS PLANNING, *HIGHER EDUCATION, *ORGANIZATIONS, *PLANNING, ARCHITECTS, DESIGN

A JOURNAL ARTICLE WHICH ASSUMES UNIVERSITIES TO BE GOAL SEEKING ORGANIZATIONS WHOSE GOALS ARE CONSTANTLY CHANGING. THUS, NEW BUILDINGS MUST NOT STRUCTURE IMAGES OF THE PAST AND PRESENT BUT RATHER MUST REFLECT THE OPEN-ENDEDNESS OF FUTURE ENDEAVORS. (FPO)

Availability:

Turnstile Press, Ltd.
10 Great Turnstile
London, W.C. 1
England

ERIC/CEF DOCUMENT NO. EF002484 DISPOSITION-UFRC 2

MEETING HIGHER EDUCATION'S PHYSICAL PLANT NEEDS

BY- HORN FRANCIS H.

PUBLISHED-FEB67
IN- AMERICAN SCHOOL AND UNIVERSITY, P 40-42, FEB 1967

AVAILABLE FROM- AMERICAN SCHOOL AND UNIVERSITY, JAMES STACK PUB., 757 THIRD AVE, NEW YORK, N.Y. 10017

002 PAGES

DESCRIPTORS- *ARCHITECTURAL PROGRAMING, *BUILDING DESIGN, *CAMPUS PLANNING, *FACILITY EXPANSION, *HIGHER EDUCATION, ARCHITECTURE, CONSTRUCTION PROGRAMS, FACILITY REQUIREMENTS, FLEXIBLE FACILITIES

IN CONSIDERING THE NEED FOR NEW PHYSICAL FACILITIES TO ACCOMMODATE THE GREATLY EXPANDED ENROLLMENTS EXPECTED IN THIS NEW AGE OF EDUCATION, EMPHASIS IS PLACED UPON THE QUALITY OF CAMPUS ARCHITECTURE AS THE MOST IMPORTANT SINGLE ASPECT OF THE PROBLEM OF MEETING HIGHER EDUCATIONS NEEDS FOR THE PHYSICAL PLANT. THE ADVENT OF EDUCATIONAL TECHNOLOGY, EMPHASIS UPON RESEARCH, AND REDUCED TEACHING LOADS ARE CITED AS HAVING CREATED A CHALLENGE WITHIN HIGHER EDUCATION, AND IT IS SUGGESTED THAT THE CHALLENGE CAN BE MET BY PROVIDING FOR THE UTMOST FLEXIBILITY AND FOR THE LATEST GADGETRY IN NEW PHYSICAL FACILITIES. (FS)

Availability:

James Stack Publishers
757 Third Avenue
New York, New York 10017

ERIC/CEF DOCUMENT NO. EF000004 DISPOSITION-EDC- 2

BRICKS AND MORTARBOARDS (A REPORT ON COLLEGE PLANNING AND BUILDING)

EDUCATIONAL FACILITIES LABORATORIES, INC., NEW YORK, N. Y.

PUBLISHED- 64

173 PAGES

DESCRIPTORS- *CLASSROOMS, *COLLEGE PLANNING, *DORMITORIES, *LABORATORIES, *LIBRARIES, AUDIOVISUAL AIDS, BUILDING IMPROVEMENT, BUILDING INNOVATION, CAMPUSES, COLLEGE BUILDINGS, ENVIRONMENT, FINANCIAL PROBLEMS, MECHANICAL TEACHING AIDS, SCHOOL ARCHITECTURE, SCHOOL SPACE, TEACHING MACHINES

THIS REPORT PRESENTS THE BEST AVAILABLE LITERATURE ON WHAT IS HAPPENING IN THE FOUR MAJOR TYPES OF CAMPUS BUILDINGS--CLASSROOMS, LABORATORIES, LIBRARIES, AND DORMITORIES. IT ALSO INCLUDES SECTIONS ON FINANCE, CAMPUSES, AND RENOVATIONS SETTING FORTH THE DIFFERENT PHYSICAL PROBLEMS THAT BESET THE AMERICAN COLLEGES AND UNIVERSITIES TODAY, THE PHYSICAL PROBLEMS FORTHCOMING, AND AN ARRAY OF IMPERATIVE REFORMS. ENROLLMENT WILL DOUBLE WITHIN THE DECADE AS WILL THE AMOUNT OF RECORDED INFORMATION. CAMPUSES MUST PROVIDE SPACE AND SERVICES FOR A HETEROGENEOUS POPULATION. TO MEET PRESSING DEMANDS ALL CAMPUS SPACE MUST BE DESIGNED FOR MAXIMUM CONVERTIBILITY. MOVEABLE WALLS FOR YEARLY CONVERSIONS AND OPERABLE WALLS FOR IMMEDIATE CHANGE WILL BE THE RULE IN INSTRUCTIONAL BUILDINGS. EVERY INSTITUTION MUST CALIBRATE CHANGE AND INNOVATION WITH ITS OWN SCALE OF VALUES AND FORSEEABLE NEEDS. THERE MUST BE FULL UTILIZATION OF CAMPUS SPACE, TIME, PEOPLE AND THINGS. INDEPENDENT STUDY WILL ASSUME CENTRAL IMPORTANCE USING SCARCE FACULTY AND OVER-ABUNDANT STUDENTS TO GREATEST ADVANTAGE. STUDENTS WILL GET THE FACTS FROM DISPENSERS--BOOKS, FILMS, TAPES, TELEVISION AND TEACHING MACHINES. THE TIME SCHEDULE WILL START EARLIER AND END LATER, UTILIZE SATURDAY, AND GO THE FULL CALENDAR YEAR. THE CAMPUS MUST PROVIDE AN ENVIRONMENT THAT FAVORS LEARNING, UNDERSTANDING AND INTELLECTUAL INTERCHANGE. (RK)

Availability:

Educational Facilities Laboratories, Inc.
477 Madison Avenue
New York, New York 10022

ERIC/CEF DOCUMENT NO. EF002187 DISPOSITION-UFRC 2

PROGRAMMING, PLANNING, AND CONSTRUCTION OF COLLEGE AND UNIVERSITY BUILDINGS

BY- BREWSTER, SAM F.
NATIONAL ASSN. OF PHYSICAL PLANT ADMINISTRATORS OF UNIVERSITIES AND COLLEGES

PUBLISHED-MAY63

043 PAGES

DESCRIPTORS- *ARCHITECTURAL PROGRAMMING, *CAMPUS PLANNING, *COLLEGE BUILDINGS, *HIGHER EDUCATION, *PROGRAM PLANNING, DATA, EDUCATIONAL SPECIFICATIONS, MAINTENANCE, SPEECHES

IN THIS SPEECH, MR. BREWSTER SETS FORTH WHAT HE BELIEVES A SCHOOL SHOULD PROVIDE IN ORDER TO MAKE THE BEST USE OF ITS OWN STAFF AND PROFESSIONAL PLANNERS COMMISSIONED TO WORK ON SPECIFIC PROJECTS. DIVIDING UNIVERSITIES INTO GROUPS BASED ON ENROLLMENT AND USING STATISTICAL TABLES, THE CONCLUSION IS REACHED THAT IN MANY CASES THE PHYSICAL PLANT DEPARTMENT IS NOT BEING UTILIZED OR CONSULTED IN MATTERS CONCERNING ARCHITECTURE OR BUILDING NEEDS. THE POINT IS MADE THAT THE PEOPLE WHO ARE TO USE A BUILDING AND THOSE WHO MUST MAINTAIN IT BE GIVEN AN OPPORTUNITY TO ASSIST IN PLANNING AND/OR CONSTRUCTION. MR. BREWSTER ADVOCATES A WRITTEN PROGRAM, SPECIFIC FOR EACH BUILDING IN ORDER TO COMMUNICATE IDEAS TO THE ARCHITECT. ITEMS FROM A SAMPLE PROGRAM STATEMENT OF BRIGHAM YOUNG UNIVERSITY ARE INCLUDED. ALSO DISCUSSED IN THE SPEECH ARE FIELD TRIPS, TOPOGRAPHIC SURVEYS, SOIL TESTS, PLANNING AND PROJECT COMMITTEES, PLAN SUBMISSION, PRE-QUALIFICATION OF CONTRACTORS, AND INSPECTION AND SUPERVISION. INCLUDED ARE TABLES OF DATA CONCERNED WITH PLANNING PRACTICES IN APPROXIMATELY 200 UNIVERSITIES AND COLLEGES. (NI)

Availability:

John H. Sweitzer, Secy-Treasurer
Natl. Assoc. of Physical Plant Administrators of Universities & Colleges
Earlham College
Richmond, Indiana 47374

ERIC/CEF DOCUMENT NO. EF002253 ED 25911 DISPOSITION-UFRC 1

PLANNING AND CONSTRUCTION OF COLLEGE AND UNIVERSITY BUILDINGS

BY- SHOWALTER, ROBERT H.
BALL STATE TEACHERS COLLEGE MUNCIE, INCIANA

PUBLISHED-JAN65

CC7 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *COLLEGE PLANNING, *COMMITTEES, *CONSTRUCTION PROGRAMS, *MASTER PLANS, ARCHITECTS, BUILDING DESIGN, COLLEGE BUILDINGS, FACILITY EXPANSION

PLANNING AND THE RESPONSIBILITY FOR PLANNING LIES WITH THE ADMINISTRATIVE OFFICIAL RESPONSIBLE FOR CONSTRUCTION, OPERATION AND MAINTENANCE OF THE PLANT. QUALITIES WHICH PLANNING DIRECTORS SHOULD POSSESS ARE ENUMERATED. SPECIFIC SUGGESTIONS FOR MORE EFFICIENT PLANNING AND CONSTRUCTION OF HIGHER EDUCATION FACILITIES ARE GIVEN AS FOLLOWS--(1)THE MAINTENANCE OF A STRONG CENTRAL PLANNING OFFICE, ADEQUATELY MANNED WITH COMPETENT PERSONNEL WHICH SHOULD BE THE CENTER OF ALL CAMPUS PLANNING,(2)A GOOD DEAL OF ATTENTION SHOULD BE GIVEN TO THE SELECTION OF STRUCTURAL, MECHANICAL, AND ELECTRICAL ENGINEERS,(3)ARCHITECTS SHOULD BE GIVEN A WRITTEN PROGRAM OF REQUIREMENTS WITH SUPPLEMENTARY INSTRUCTIONS, A TOPOGRAPHIC MAP, AND A REPORT ON ANY INVESTIGATION OF SITE FOUNDATION CONDITIONS,(4)THE CENTRAL PLANNING OFFICE SHOULD HAVE THE AUTHORITY TO APPROVE OR DISAPPROVE SUBCONTRACTORS,(5)ALL SUPERVISORY PERSONNEL IN THE DEPARTMENT OF PHYSICAL PLANT SHOULD REVIEW DRAWINGS AND SPECIFICATIONS,(6)THE CAMPUS PLANNING COMMITTEE SHOULD BE ADVISORY ONLY,(7)A PROGRAM OF REGULAR BUILDING INSPECTION MUST BE MAINTAINED, AND(8)AN EFFORT SHOULD BE MADE TO PROMOTE AND MAINTAIN COMMUNICATIONS BETWEEN DEPARTMENTS. (NI)//

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ERIC/CEF DOCUMENT NO. EF000446 DISPOSITION-EDC- 2

CONTEMPORARY BUILDINGS ON THE TRADITIONAL CAMPUS

BY- LITCHFIELD, LAWRENCE
BUTTENHEIM PUBLISHING CORPORATION, NEW YORK, N.Y.

PUBLISHED-MAY66
IN- AMERICAN SCHOOL AND UNIVERSITY, MAY 66, PP. 15-18, 21

OC5 PAGES

DESCRIPTORS- *BUILDING DESIGN, *CAMPUS PLANNING, *FACILITY CASE STUDIES

THE PROBLEM OF DESIGNING NEW BUILDINGS FOR AN OLD CAMPUS AND THE PROBLEMS AND SOLUTIONS WORKED OUT BY LAWRENCE LITCHFIELD, AIA, ON FOUR NEW JERSEY CAMPUSES ARE DISCUSSED. DREW UNIVERSITY AT MADISON, PEDDIE SCHOOL AT HIGHTSTOWN, MONMOUTH COLLEGE AT WEST LONG BRANCH, AND CENTENARY COLLEGE FOR WOMEN AT HACKETTSTOWN ARE THE FACILITIES DESCRIBED ALONG WITH PHOTOGRAPHS OF EACH. (RK)

Availability:

Buttenheim Publishing Corporation
757 Third Avenue
New York, New York 10017

FURTHER BIBLIOGRAPHIES IN CAMPUS PLANNING

ERIC/CEF DOCUMENT NO. EF001614 ED 20633 DISPOSITION-UFRC 1

SELECTED REFERENCES FOR PLANNING HIGHER EDUCATION FACILITIES

BY- WIDDALL, KENNETH R.
COUNCIL OF EDUCATIONAL FACILITY PLANNERS, COLUMBUS, OHIO

PUBLISHED- 68

101 PAGES

DESCRIPTORS- *ANNOTATED BIBLIOGRAPHIES, *CAMPUS PLANNING, *EDUCATIONAL FACILITIES, *EDUCATIONAL PLANNING, *HIGHER EDUCATION, COLLEGE PLANNING, MASTER PLAND PLANS, METHODS

THIS COMPREHENSIVE AND CAREFULLY ANNOTATED BIBLIOGRAPHY PRESENTS IDEAS AND LISTS NUMEROUS RESOURCES FOR THE PERSON SEEKING GENERAL AND SPECIFIC INFORMATION IN PLANNING HIGHER EDUCATION FACILITIES. THE DOCUMENTS ARE CATALOGED INTO GENERAL TOPICAL AREAS OF--(1) ORIENTATION TO EDUCATIONAL FACILITY PLANNING, (2) DEVELOPING A MASTER PLAN FOR PLANT EXPANSION, (3) PLANNING THE INDIVIDUAL SCHOOL, (4) PLANNING THE TECHNICAL ASPECTS, AND (5) ADMINISTERING THE PLANT EXPANSION PROGRAM, GRAM. COPIES ARE ALSO AVAILABLE AT $2.50 EACH FROM THE COUNCIL OF EDUCATIONAL FACILITY PLANNERS, 29 WEST WOODRUFF AVENUE, COLUMBUS OHIO 43210. (BH)

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ERIC/CEF DOCUMENT NO. EF001589 ED 21410 DISPOSITION-UFRC 1

CAMPUS AND FACILITIES PLANNING IN HIGHER EDUCATION (. THE PROCESS AND THE PERSONNEL)

BY- PHELON, PHILIP S.
STATE UNIVERSITY OF NEW YORK, ALBANY

PUBLISHED-MAY68
IN- AN ANNOTATED BIBLIOGRAPHY

021 PAGES

DESCRIPTORS- *ANNOTATED BIBLIOGRAPHIES, *EDUCATIONAL FACILITIES, * HIGHER EDUCATION , *INSTITUTIONAL PERSONNEL, CAMPUS PLANNING, COLLEGE PLANNING , MASTER PLANS, METHODS

THIS ANNOTATED BIBLIOGRAPHY EVOLVED FROM AN ATTEMPT TO ANSWER SOME BASIC QUESTIONS RELATED TO CERTAIN ASPECTS OF PLANNING FOR HIGHER EDUCATION, AND IS LIMITED TO THE SUBJECTS OF PLANNING PROCESSES AND PLANNING PERSONNEL. ONLY SOURCES ORIGINATING WITHIN THE PAST 10YEARS ARE INCLUDED WITH THE EXCEPTION OF DOCUMENTS ON STUDENT PARTICIPA TION WHERE ONLY A LIMITED NUMBER OF DOCUMENTS EXIST. STUDIES ON DETAILS OF PLANNING A SPECIFIC CAMPUS OR FACILITY ARE NOT INCLUDED. CARE HAS BEEN TAKEN TO INCLUDE A VARIETY OF VIEWPOINTS ON THE CONTROVERSIAL ISSUES, PARTICULARLY FACULTY AND STUDENT PARTICIPATION. THIS BIBLIOGRAPHY IS THEFIRST OF A SERIES OF PLANNING GUIDES FOR INSTITUTIONS OF HIGHER EDUCATION. THE DOCUMENTS SELECTED SHOULD ASSIST INSTITUTIONS IN THE UNDERSTAND ING OF THE PLANNING PROCESS AS RELATED TO PLANNING THEIR FACILITIES WITHOUT MANDATING A PARTICULAR FORMAT FOR SUCH PLANNING.(8H)

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EDUCATIONAL BUILDINGS. PART II, COLLEGES AND UNIVERSITIES (A SELECTED LIST OF BOOKS AND REPORTS RECEIVED BY THE BUILDING RESEARCH LIBRARY)

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DESCRIPTORS- *BIBLIOGRAPHIES, *BUILDING DESIGN, *COLLEGE PLANNING, *FACILITY GUIDELINES, *HIGHER EDUCATION, CAMPUS PLANNING, COLLEGE HOUSING, LABORATORIES, MEDICAL SCHOOLS, VOCATIONAL SCHOOLS

A SELECTED LIST OF BOOKS AND REPORTS RECEIVED BY THE BUILDING RESEARCH LIBRARY OF THE NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA IS PRESENTED. THE LISTINGS ARE GROUPED BY THE FOLLOWING TOPICS--BUILDINGS, PLANNING AND DESIGN, SPECIAL FACILITIES, COLLEGE HOUSING, SERVICES AND VOCATIONAL COLLEGES, AND INCLUDES BRITISH AND FRENCH SOURCE REFERENCES.(HH)

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